

# **Update on Type 1 Diabetes Activities**

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# Purpose

- Apprise you of the implementation status of recommendations from the January planning and evaluation meeting of the *Special Statutory Funding Program for Type 1 Diabetes Research*
- Solicit your input and participation

# **Expert Panel Meeting on the *Special Type 1 Diabetes Funding Program***

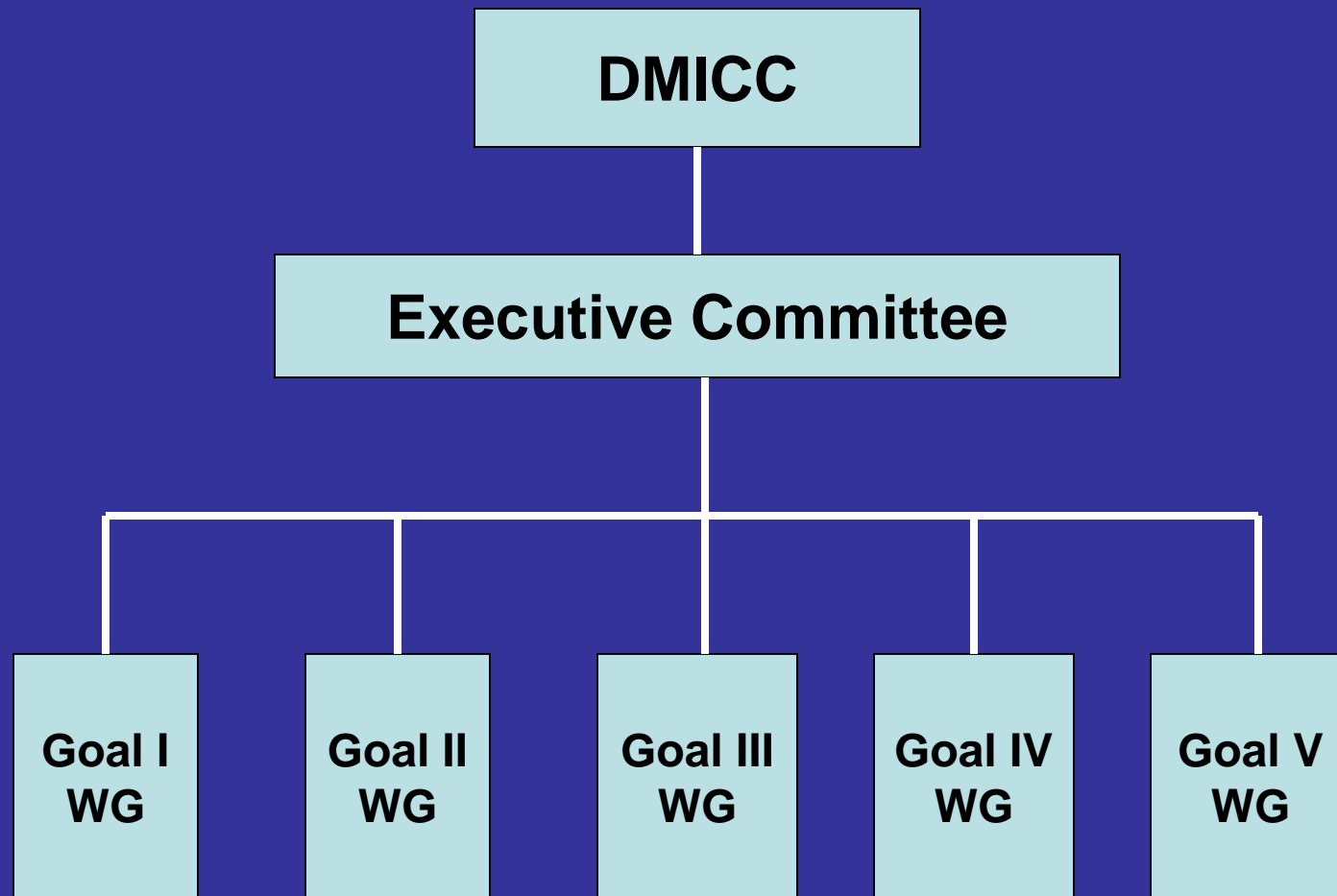
**Recommendation:** Initiate a much broader review of the entire state-of-the-science with respect to type 1 diabetes.

# **T1D Strategic Planning Effort: Recent Advances and Emerging Opportunities**

# **The Strategic Plan will be Framed Around Six T1D Research Goals**

- **Identify Genetic & Environmental Causes**
- **Prevent or Reverse T1D**
- **Develop Cell Replacement Therapy**
- **Prevent or Reduce Hypoglycemia**
- **Prevent or Reduce Complications**
- **Attract New Talent & Apply New Technologies**

# Conceptual Framework for Development of T1D Strategic Plan (a work product of the DMICC)



# Charge to Working Groups

- Identify major research advances in T1D research that have occurred since 1998;
- Identify emerging opportunities in T1D research that can be pursued by the NIH or other HHS agencies in the next 10 years.

## Planned Timeline

<b>DATE</b>	<b>TASK</b>
<b>April 15</b>	<b>Identify and extend invitation to outside experts</b>
<b>Mid-May</b>	<b>First conference calls of WG members to discuss advances and opportunities</b>
<b>Summer 2005</b>	<b>WG chairs write chapters in consultation with WG members</b>
<b>Sept 2005</b>	<b>Meeting of the Executive Committee to integrate chapters</b>
<b>Fall 2005</b>	<b>DMICC review of DRAFT report</b>
<b>Winter 2005</b>	<b>Public comment period</b>
<b>Spring 2006</b>	<b>Review of final document—DMICC members and NIH ICs</b>
<b>June 2006</b>	<b>Final Document</b>



# Request for Participation

- NIH IC and Agency Representatives to serve as liaisons on the 5 Working Groups and/or Executive Committee;
- Suggestions for external scientists and lay representatives to serve on Working Groups;
- By March 31 please provide names of representatives and external scientists to:  
Dr. Mary Hanlon,  
[hanlonm@extra.niddk.nih.gov](mailto:hanlonm@extra.niddk.nih.gov)

# **Expert Panel Meeting on the *Special Type 1 Diabetes Funding Program***

**Recommendation:** Support “self-assembled” teams of scientists who tackle a specific barrier in type 1 diabetes research.

# **Self-Assembled Consortia: Possible Grand Challenges**

- **Development of assays and biomarkers useful for assessing response to immunomodulatory interventions in T1D;**
- **Development of methods to image beta cell mass and immune infiltration of the pancreas;**
- **Development of biomarkers for complications;**
- **Development of outcome measures that could enable complications trials to be done with shorter durations/fewer patients**

# **Self-Assembled Consortia: Implementation Plans**

- Up to 3 awards for each challenge will be supported for 3 years (FY 06-08) at up to \$400K DC;
- Awards will use P20 mechanism to facilitate milestone-driven team-building and pilot and feasibility projects;
- It is planned that highly successful projects will compete for 5 years of funding beginning in FY09 if funds are available.

# **Expert Panel Meeting on the *Special Type 1 Diabetes Funding Program***

**Recommendation:** Existing consortia and resources should have External Advisory Committees.

# **Expert Panel Meeting on the *Special Type 1 Diabetes Funding Program***

**Recommendation:** Enhance coordination among existing consortia and resources.

# **Enhance Coordination: Implementation Plans**

- **Joint meeting of representatives of each major consortia and resource to consider opportunities for collaboration, common bioinformatics, etc.;**
- **Joint meeting of TrialNet, ITN, and CIT investigators;**
- **Joint meeting of T1DGC, GoKinD, FIND and EDIC genetics investigators;**
- **Joint meeting of TEDDY, TRIGR and NIP investigators.**